

Title (en)

High activity polyethylene catalyst

Title (de)

Katalysor für die Polymerisation von Ethylen mit hoher Aktivität

Title (fr)

Catalyseur pour la polymérisation d'éthylène ayant une activité élevée

Publication

**EP 1052266 A1 20001115 (EN)**

Application

**EP 99109594 A 19990514**

Priority

EP 99109594 A 19990514

Abstract (en)

The present invention relates to a catalyst composition for producing polyethylene with relatively broad molecular weight distributions. It also relates to the catalyst preparation process comprising treating silica having reactive OH groups with an organomagnesium compound in a solvent ; then adding sequentially to said magnesium-containing support SiCl<sub>4</sub> and an alcohol to form an intermediate which is subsequently treated with a transition metal to form a transition metal-containing intermediate, the catalyst precursor. The catalyst precursor is then activated with an organoaluminum compound.

IPC 1-7

**C08F 4/658**; **C08F 10/02**

IPC 8 full level

**C08F 4/658** (2006.01); **C08F 10/00** (2006.01)

CPC (source: EP)

**C08F 10/00** (2013.01); **Y02P 20/52** (2015.11)

Citation (search report)

- [Y] WO 9514045 A1 19950526 - MOBIL OIL CORP [US]
- [Y] US 4301029 A 19811117 - CAUNT ANTHONY D, et al

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Designated contracting state (EPC)

FR

DOCDB simple family (publication)

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